

### **REMARKS**

In the foregoing amendment, claims 1, 3-6, 8-10, and 15-46 have been amended; claims 2, 7, and 11-14 have been canceled without prejudice, disclaimer, or waiver; and claims 47-86 have been newly added. Claims 1, 3-6, 8-10, and 15-86 are now pending in the present application.

#### **I. Response to 35 U.S.C. 103 Rejection**

Claims 1-46 were rejected under 35 U.S.C. 103(a) as allegedly being unpatentable over *Cheslog* (U.S. Patent No. 5,659,601) in view of *Hardy* (EP 0 541 535). Independent claims 1, 23, and 29-31 have been amended to more clearly set forth the features of the present invention. Also, numerous corrections have been made to correct minor informalities and to maintain consistent terminology throughout the specification and claims. Applicants assert that the independent claims, as amended, and the remaining claims dependent therefrom, are allowable over the prior art of record.

##### **A. Claim 1**

Claim 1 is directed to a method that includes receiving *call detail data* associated with a subscriber of a telecommunication service under a current rate plan. The method also includes *processing the call detail data to produce a calling profile record*. *Cheslog* and *Hardy*, taken alone or in combination, do not teach or suggest processing in such a way to produce a calling profile record, particularly a *calling profile record summarizing call usage information of the subscriber, wherein the calling profile record contains less data than the call detail data*. *Cheslog* and *Hardy* fail to teach or suggest these claimed features. Instead, these references appear to utilize the raw data directly and do not process the data beforehand to create a calling profile record as claimed.

Furthermore, the calling profile record in claim 1 is organized with parameters comprising “where calls are made and received”, “when calls are made and received”, and “what types of calls are made and received”. The where calls are made and received parameter comprises a category selected from the group consisting of a home category and a roam category. The when calls are made and received parameter comprises a

category selected from the group consisting of peak, off peak, and weekend. The what types of calls are made and received parameter comprises a category selected from the group consisting of local, intrastate toll, and interstate toll. *Cheslog* and *Hardy*, taken alone or in combination, do not teach or suggest these features of claim 1. Rather, these references appear to utilize the raw call detail data without organizing the data into a profile record having the claimed parameters and respective categories.

Furthermore, *Hardy* is merely concerned with a billing system that includes producing for each customer pre-calculated summary reports and graphs included on a diskette for display on the customer's personal computer. *Hardy* does not teach or suggest analyzing this data with respect to the current rate plan and a plurality of other rate plans for determining at least one plan that would save costs to the subscriber. Therefore, even if these aspects of *Hardy* were combined with *Cheslog*, the combination would still not result in the claimed features of claim 1.

For at least these reasons, Applicants assert that claim 1 is allowable over the prior art of record and respectfully requests that the rejection be withdrawn. In addition, claims 3-6, 8-10, 15-22, and 47-56 are believed to be allowable for at least the reason that these claims depend directly or indirectly from allowable independent claim 1.

**B. Claim 23**

Claim 23 is directed to a system that includes means for receiving *call detail data* associated with a subscriber of a telecommunication service under a current rate plan. The system also includes *means for processing the call detail data to produce a calling profile record*. *Cheslog* and *Hardy*, taken alone or in combination, do not teach or suggest means for processing in such a way to produce a calling profile record, particularly a *calling profile record in a size-reduced format summarizing the call usage history of the subscriber*.

Furthermore, the calling profile record in claim 23 is organized with parameters comprising "where calls are made and received", "when calls are made and received", and "what types of calls are made and received". *Cheslog* and *Hardy*, taken alone or in combination, do not teach or suggest these features of claim 23. *Cheslog* appears to be

completely silent with respect to these parameters and *Hardy* merely teaches using the number, length, and cost of calls for each accounting or project code, for day, evening and night calls for each carrier, for calls of each product type (i.e. carrier's marketing plan), for day, evening, and night calls from each site or location identifier, and for calls made from each originating station and authorization code. Again, this data is only used for producing a diskette for informing the customer of the current rate plan and does not apply to other rate plans. Also, the parameters of *Hardy's* reports are not the same as the consolidated profile record defined by the parameters as claimed in claim 23.

For at least these reasons, Applicants assert that claim 23 is allowable over the prior art of record and respectfully requests that the rejection be withdrawn. In addition, claims 24-28 and 57-66 are believed to be allowable for at least the reason that these claims depend directly or indirectly from allowable independent claim 23.

**C. Claim 29**

Claim 29 is directed to a system that includes a transceiver configured to receive *call detail data* associated with a subscriber of a telecommunication service under a current rate plan. The system also includes a storage unit, memory comprising software, and a processor configured by the software to *process the call detail data to produce a calling profile record*. *Cheslog* and *Hardy*, taken alone or in combination, do not teach or suggest processing in such a way to produce a calling profile record, particularly a *calling profile record having a reduced data size with respect to the call detail data*. Moreover, claim 29 defines the *calling profile record summarizing the call usage information of the subscriber*. *Cheslog* and *Hardy* fail to teach or suggest processing call detail data to produce such a *calling profile record* having a reduced data size and one that summarizes the call usage information of the subscriber.

Furthermore, the calling profile record in claim 29 is organized with parameters comprising "where calls are made and received", "when calls are made and received", and "what types of calls are made and received". *Cheslog* and *Hardy*, taken alone or in combination, do not teach or suggest these features of claim 29.

For at least these reasons, Applicants assert that claim 29 is allowable over the prior art of record and respectfully requests that the rejection be withdrawn. In addition, claims 32-36 and 67-76 are believed to be allowable for at least the reason that these claims depend directly or indirectly from allowable independent claim 29.

**D. Claim 30**

Claim 30 is directed to a computer readable medium that includes logic configured to receive *call detail data* associated with a subscriber of a telecommunication service under a current rate plan. The computer readable medium also includes *logic configured to process the call detail data to produce a calling profile record*. *Cheslog* and *Hardy*, taken alone or in combination, do not teach or suggest logic for processing in such a way as to produce a calling profile record, particularly a *calling profile record having a data format that is simpler to process than the call detail data, wherein the calling profile record defines the call usage information of the subscriber*. *Cheslog* and *Hardy* fail to teach or suggest processing call detail data to produce such a *calling profile record*.

Furthermore, the calling profile record in claim 30 is organized with parameters comprising “where calls are made and received”, “when calls are made and received”, and “what types of calls are made and received”. *Cheslog* and *Hardy*, taken alone or in combination, fail to teach or suggest these features of claim 30.

For at least these reasons, Applicants assert that claim 30 is allowable over the prior art of record and respectfully requests that the rejection be withdrawn. In addition, claims 37-41 and 77-86 are believed to be allowable for at least the reason that these claims depend directly or indirectly from allowable independent claim 30.

**E. Claim 31**

Claim 31 is directed to a system that includes a storage unit configured to store *call detail data* associated with a subscriber of a telecommunication service under a current rate plan. The system also includes a memory comprising software and a processor configured by the software to *process the call detail data to produce organized*,

*size-reduced data in a calling profile record.* Cheslog and Hardy, taken alone or in combination, do not teach or suggest a processor that produces such a calling profile record. The calling profile record, as claimed, comprises parameters *that define the call usage history of the subscriber.* Cheslog and Hardy fail to teach or suggest processing call detail data to produce such a *calling profile record* that defines the call usage history of the subscriber and is produced as organized, size-reduced data.

Furthermore, each parameter is selected from the group consisting of “where calls are made and received”, “when calls are made and received”, and “what types of calls are made and received”. Cheslog and Hardy, taken alone or in combination, do not teach or suggest these features of claim 31.

For at least these reasons, Applicants assert that claim 31 is allowable over the prior art of record and respectfully requests that the rejection be withdrawn. In addition, claims 42-46 are believed to be allowable for at least the reason that these claims depend from allowable independent claim 31.

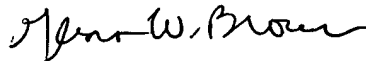
## **II. New Claims**

Newly added dependent claims 47-86, which depend from independent claims 1, 23, 29, and 30 either directly or indirectly, are supported by the original disclosure. Applicants assert that these claims include additional features that are neither taught nor suggested by the prior art of record.

**CONCLUSION**

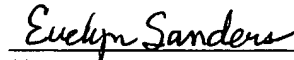
Favorable reconsideration and allowance of the present application are respectfully requested. If the Examiner believes that a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned at (770) 933-9500.

Respectfully submitted,

  
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on *Oct. 14, 2004*.

  
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